(19)日本国特許庁（ＪＰ）　(12)公開特許公報（Ａ）　(11)特許出願公開番号

特開平7－236680

(43)公開日　平成７年(1995)９月12日

(51)Int.Cl.[6]	識別記号	庁内整理番号	ＦＩ	技術表示箇所
Ａ６１Ｈ　39/04	Ｘ	7507－4Ｃ		
Ａ６１Ｎ　5/06	Ａ			

審査請求　未請求　請求項の数４　ＯＬ　（全６頁）

(21)出願番号　特願平6－29263

(22)出願日　平成６年(1994)２月28日

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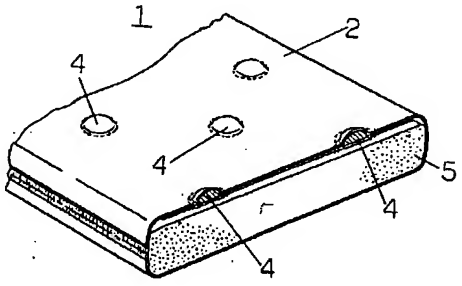
(54)【発明の名称】　押圧装置

(57)【要約】

【目的】本発明は、押圧したい体の部位に心地よく当接して使用することができる押圧装置を提供することを目的としている。

【構成】押圧装置１は、開口部21を有して袋状に形成されたカバー２と、このカバー２の開口部21を開閉する開閉手段３と、カバー２に取りつけられ少なくとも遠赤外線を発する硬質性の放射部材４と、カバー２内に収納された弾性部材５とを備えている。



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【特許請求の範囲】
【請求項１】開口部を有して袋状に形成されたカバーと、
このカバーの開口部を開閉する開閉手段と、
前記カバーに取りつけられ少なくとも遠赤外線を発する硬質性の放射部材と、
前記カバー内に収納された弾性部材とを備えたことを特徴とする押圧装置。
【請求項２】開口部を有して袋状に形成されたカバーと、
このカバーの開口部を開閉する開閉手段と、
前記カバーに取りつけられ少なくとも遠赤外線を発する硬質性の放射部材と、
前記カバー内に収納された弾性部材と、
この弾性部材と前記放射部材との間に内部に粒状物、粉状物、流体の内のいずれかを移動可能状態で収納したカバーを有する移動体を介在させたことを特徴とする押圧装置。
【請求項３】開口部を有して袋状に形成されたカバーと、
このカバーの開口部を開閉する開閉手段と、
前記カバーに取りつけられ少なくとも遠赤外線を発する硬質性の放射部材と、
前記カバー内に収納された弾性部材と、
この弾性部材と前記放射部材との間に内部に粒状物、粉状物、流体の内のいずれかを移動可能状態で収納したカバーを有する移動体を介在させ、該移動体を発熱性を有するもので形成したことを特徴とする押圧装置。
【請求項４】本体と、
この本体に取りつけられ少なくとも遠赤外線を発する硬質性の放射部材と、
この放射部材の裏面側であって前記本体に設けられた収納部と、
この収納部に内部に粒状物、粉状物、流体の内のいずれかを移動可能状態で収納したカバーを有する移動体を介在させ、該移動体を発熱性を有するもので形成したことを特徴とする押圧装置。
【発明の詳細な説明】
【０００１】
【産業上の利用分野】本発明は、押圧装置に係り、特に、体の部位に押し当てて健康を促進させる押圧装置に関する。
【０００２】
【従来の技術】最近、腹部に磁気を発する放射部材を埋め込むと共に懐炉等を収納するポケットを有する腹巻きが製品化されている。
【０００３】この腹巻きにおいては、腹部又は腰部に巻きつけて使用する場合は支障ない。
【０００４】
【発明が解決しようとする課題】しかしながら、上述の

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腹巻きを体の部位に押し当てて健康を促進させるものとして使用する場合、首筋、肩等の体の部位にそのまま押し当てて使用してもクッション性がないため、体になじまず当接部位が痛く使用性が悪いという欠点があった。
【０００５】又、ポケットに懐炉を収納して使用しても、単に体の部位を暖めるにすぎない。
【０００６】本発明は、前記欠点を解消するようにした押圧装置を提供することを目的としている。
【０００７】
【課題を解決するための手段】上記目的を達成するために、本発明の押圧装置は、開口部を有して袋状に形成されたカバーと、このカバーの開口部を開閉する開閉手段と、前記カバーに取りつけられ少なくとも遠赤外線を発する硬質性の放射部材と、前記カバー内に収納された弾性部材とを備えている。
【０００８】又、本発明の押圧装置は、開口部を有して袋状に形成されたカバーと、このカバーの開口部を開閉する開閉手段と、前記カバーに取りつけられ少なくとも遠赤外線を発する硬質性の放射部材と、前記カバー内に収納された弾性部材と、この弾性部材と前記放射部材との間に内部に粒状物、粉状物、流体の内のいずれかを移動可能状態で収納したカバーを有する移動体を介在させたものである。
【０００９】又、本発明の押圧装置は、開口部を有して袋状に形成されたカバーと、このカバーの開口部を開閉する開閉手段と、前記カバーに取りつけられ少なくとも遠赤外線を発する硬質性の放射部材と、前記カバー内に収納された弾性部材と、この弾性部材と前記放射部材との間に内部に粒状物、粉状物、流体の内のいずれかを移動可能状態で収納したカバーを有する移動体を介在させ、該移動体を発熱性を有するもので形成したものである。
【００１０】又、本発明の押圧装置は、本体と、この本体に取りつけられ少なくとも遠赤外線を発する硬質性の放射部材と、この放射部材の裏面側であって前記本体に設けられた収納部と、この収納部に内部に粒状物、粉状物、流体の内のいずれかを移動可能状態で収納したカバーを有する移動体を介在させ、該移動体を発熱性を有するもので形成したものである。
【００１１】
【作用】上記のように構成された押圧装置においては、カバーに取りつけられた硬質性の放射部材を押圧したい体の部位側に位置させて押し付ければ、弾性部材が変形して体の部位になじんんで、硬質性の放射部材により該体の部位を押圧する。又、カバーの開口部を開閉手段により開閉して弾性部材を出し入れすることができる。
【００１２】又、弾性部材の変形に加えて使用者の好みに応じて移動体の内部の粒状物（又は、粉状物、又は、流体）を適宜移動させて体の部位によりなじむようにすることができる。

【００１３】又、発熱性を有する移動体は、体の部位を暖めると共に遠赤外線を発する放射部材をも暖める。

【００１４】

【実施例】本発明の一実施例を図面を参照して説明すると、図１及び図２において、１は、押圧装置で、押圧装置１は、押圧したい体の部位（例えば、図８に示すように、首筋から肩、肩から背中、背中から腰、手の肘、ふくらはぎ、足の裏）に縦長又は横長等適宜に置いて、当接して押し付けて当接部位の血行を高めるものである。

【００１５】２は、カバーで、カバー２は、開口部21を有して袋状に形成されている。カバー２は、例えば、通気性の良い布地で作られている。

【００１６】開口部21は、開閉手段３により開閉される。開閉手段３としては、例えば、図示のようなフスナナーであり、又は、図示しない面状ファスナ、ホック（かぎ状のとめがね）等適宜の手段で良い。

【００１７】４は、硬質性の放射部材（放射部材４としては、例えば、特公昭61－46426 号公報に記載されている高純度なジルコニア、アルミナ、チタニアなどの素材からなるセラミックス、焼成白磁（SiO_2，Al_2O_3，Na_2O）粉末とアルミナ粉末を主成分とし、これに酸化第一鉄、酸化珪素、炭素、マグネシア、シリカの粉末を少なくとも一種以上添加し、更にアルミナセメント、水を混合して混練し成型した遠赤外線発生放射セラミックス、特開平４－102464号公報記載の放射体である。）で、硬質性の放射部材４は、遠赤外線を発するか、磁気及び遠赤外線を発する放射部材でも良いが、少なくとも、遠赤外線を発するものであれば良い。

【００１８】硬質性の放射部材４は、例えば、図３に示すように、カバー２の裏面側に設けた布地22により糸23等により縫いつけられたり、又は、図４及び図５に示すように接着剤24等により取りつけられている。

【００１９】即ち、硬質性の放射部材４は、図４に示すようにカバー２上に載置して接着剤24によりカバー２に取りつけられたり、又、図５に示すように、カバー２に設けた切り抜いた開口部26に硬質性の放射部材４の一部を臨ませ、開口部26周囲のカバー２に接着剤24により取りつけられている。

【００２０】又、カバー２内には、弾性部材５が収納されている（図２参照）。弾性部材５には、被覆カバーを設けなくても良いが、より望ましくは、図６に示すように、通気性の良い布地で形成された被覆カバー51で弾性部材５を被覆した方が良い。

【００２１】又、弾性部材５には、スリットを設けなくても良いが、より望ましくは、図７に示すように、スリット52を設けて、弾性部材５が変形して体の部位によりなじんんで、体の部位に合うように形成した方が良い。弾性部材５の厚みは、約20㎜程度である。

【００２２】従って、押圧装置１を押圧したい体の部位（例えば、図８に示すように、首筋から肩、肩から背中、背中から腰、手の肘、ふくらはぎ、足の裏）に当接して体重をかけて押し付けると、弾性部材５が変形して体の部位の凹凸になじんで放射部材４を押圧したい体の部位に近接して放射部材４から発する遠赤外線（又は、遠赤外線及び磁気）を放射することができると共に心地よく当接することができる。

【００２３】又、カバー２の開口部21を開閉手段３により開閉して弾性部材５を容易に交換することができる。弾性部材５を容易に交換できることは、例えば、使用者に適したクッション性を有する弾性部材を使用したい場合、長期の使用により弾性部材５の弾性機能が低下した場合等において、特に便利である。

【００２４】前述の実施例においては、弾性部材５で体の部位の凹凸になじませているが、よりなじませるための実施例について説明する。

【００２５】図９乃至図12に示すように、弾性部材５と放射部材４との間に内部に粒状物、粉状物、流体の内のいずれかを移動可能状態で収納したカバー61を有する移動体６を介在させる。

【００２６】カバー61の形態は、図11に示すような比較的平坦なもの、図12に示すような比較的膨出したもの等適宜の形態で良いが、移動体６を押圧された場合、押圧形状に沿うように、移動体６は、内部の粒状物、粉状物、流体の内のいずれかが移動可能状態で収納されていれば良い。

【００２７】この移動体６を弾性部材５と放射部材４との間に介在させることにより、弾性部材５の変形に加えて使用者の好みに応じて移動体６のカバー内の粒状物、粉状物、流体等を適宜移動させて体の部位によりなじませるようにすることができる。

【００２８】即ち、図９乃至12の押圧装置１においては、開口部21を有して袋状に形成されたカバー２と、このカバー２の開口部21を開閉する開閉手段３と、カバー２に取りつけられ少なくとも磁気又は遠赤外線を発する硬質性の放射部材４と、カバー２内に収納された弾性部材５と、この弾性部材５と放射部材４との間に内部に粒状物、粉状物、流体の内のいずれかを移動可能状態で収納したカバー61を有する移動体６を介在させたから、カバー２に取りつけられた硬質性の放射部材４を押圧したい体の部位側に位置させて押し付ければ、弾性部材５が変形して体の部位の凹凸になじんで放射部材４を押圧したい体の部位に近接して放射部材４から発する遠赤外線（又は、遠赤外線及び磁気）を放射することができると共に心地よく当接して該体の部位の血行を高めることができる。

【００２９】又、カバー２の開口部21を開閉手段３により開閉して弾性部材５を容易に交換することができる。弾性部材５を容易に交換できることは、例えば、使用者に適した弾性部材を使用したい場合、長期の使用により弾性部材の弾性機能が低下した場合に特に便利である。

【００３０】更に、弾性部材５の変形に加えて使用者の好みに応じて粒状体の粒状部材を適宜移動させて体の部位によりなじませるようにして、心地よく当接して該体の部位の血行をより高めることができる。

【００３１】前述の実施例においては、移動体６内の粒状物、粉状物、流体は発熱性を有しないが、該移動体６を発熱性を有するもの、例えば、市販されている使い捨て懐炉（三宝化学株式会社製の使い捨て懐炉、フマキラ株式会社製の使い捨て懐炉等）、お湯等の保温効果を有するもの等で形成されたもので良い。

【００３２】この押圧装置１を押圧したい体の部位側に位置させて押し付ければ、発熱性を有する移動体６は、体の部位を暖めると共に遠赤外線を発する放射部材４をも暖めて、より多くの遠赤外線を放射して体の部位の血行をより高めることができる。

【００３３】前述の実施例においての押圧装置１は、図８に示すように仰臥した状態で使用したが、腹巻としても使用することができる（図13及び図14参照）。

【００３４】押圧装置１は、図13に示すように本体30にバンド31を通して（又は、図14に示すように面状ファスナ32、33で着脱自在に取り付けても、あるいは、図示しないが、本体30とバンド31を一体化する。）放射部材４を腹側に位置するようにする。なお、バンド31は、面状ファスナ34、35で締め付け状態を保持する。

【００３５】その際、図１記載の押圧装置１と異なる点は、弾性部材５は必ずしも必要ではなく、腹側に近い側から、本体30に取りつけられ少なくとも遠赤外線を発する硬質性の放射部材４、この放射部材４の裏面側であって本体30に設けられた収納部40、収納部40に内部に粒状物、粉状物、流体の内のいずれかを移動可能状態で収納したカバーを有する移動体６が位置する。弾性部材５を使用する際は、厚みが比較的薄い（例えば、１～５㎜程度）弾性部材を使用し、かかる場合、移動体６は、該弾性部材と放射部材４との間に位置する。

【００３６】即ち、押圧装置１は、本体30と、この本体30に取りつけられ少なくとも遠赤外線を発する硬質性の放射部材４と、この放射部材４の裏面側であって本体30に設けられた収納部40と、この収納部40に内部に粒状物、粉状物、流体の内のいずれかを移動可能状態で収納したカバーを有する移動体６を入れ、該移動体６を発熱性を有するもので形成したものである。

【００３７】放射部材４は、例えば、図３に示すように、カバー２（本体30）の裏面側に設けた布地22により糸23等により縫いつけられたり、又は、図４及び図５に示すように接着剤24により、又は、本体30内に一体的に埋め込まれ等により取りつけられている。

【００３８】従って、押圧装置１を押圧したい腹部の部位側に位置させてバンド31を使って支障がない程度に腹部を締め付けると、発熱性を有する移動体６は、放射部材４を介して腹部の部位を暖めると共に遠赤外線を発する放射部材４をも暖めて、より多くの遠赤外線を放射して腹部の部位の血行をより高めることができる。

【００３９】

【発明の効果】本発明の押圧装置は、開口部を有して袋状に形成されたカバーと、このカバーの開口部を開閉する開閉手段と、前記カバーに取りつけられ少なくとも遠赤外線を発する硬質性の放射部材と、前記カバー内に収納された弾性部材とを備えているから、カバーに取りつけられた硬質性の放射部材を押圧したい体の部位側に位置させて押し付ければ、弾性部材が変形して体の部位の凹凸になじんで放射部材を押圧したい体の部位に近接して放射部材から発する遠赤外線を放射することができると共に心地よく当接して該体の部位の血行を高めることができる。

【００４０】又、カバーの開口部を開閉手段により開閉して弾性部材を容易に交換することができる。弾性部材を容易に交換できることは、例えば、使用者に適した弾性部材を使用したい場合、長期の使用により弾性部材の弾性機能が低下した場合に特に便利である。又、本発明の押圧装置は、開口部を有して袋状に形成されたカバーと、このカバーの開口部を開閉する開閉手段と、前記カバーに取りつけられ少なくとも遠赤外線を発する硬質性の放射部材と、前記カバー内に収納された弾性部材と、この弾性部材と前記放射部材との間に内部に粒状物、粉状物、流体の内のいずれかを移動可能状態で収納したカバーを有する移動体を介在させたから、カバーに取りつけられた硬質性の放射部材を押圧したい体の部位側に位置させて押し付ければ、弾性部材が変形して体の部位の凹凸になじんで放射部材を押圧したい体の部位に近接して放射部材から発する遠赤外線を放射することができると共に心地よく当接して該体の部位の血行を高めることができる。

【００４１】又、カバーの開口部を開閉手段により開閉して弾性部材を容易に交換することができる。弾性部材を容易に交換できることは、例えば、使用者に適した弾性部材を使用したい場合、長期の使用により弾性部材の弾性機能が低下した場合に特に便利である。更に、弾性部材の変形に加えて使用者の好みに応じて粒状体の粒状部材を適宜移動させて体の部位によりなじませるようにして、心地よく当接して該体の部位の血行をより高めることができる。

【００４２】又、本発明の押圧装置は、開口部を有して袋状に形成されたカバーと、このカバーの開口部を開閉する開閉手段と、前記カバーに取りつけられ少なくとも遠赤外線を発する硬質性の放射部材と、前記カバー内に収納された弾性部材と、この弾性部材と前記放射部材との間に内部に粒状物、粉状物、流体の内のいずれかを移動可能状態で収納したカバーを有する移動体を介在させ、該移動体を発熱性を有するもので形成したものであるから、前述した効果に加え、発熱性を有する移動体

は、体の部位を暖めると共に遠赤外線を発する放射部材をも暖めて、より多くの遠赤外線を放射して体の部位の血行をより高めることができる。本発明の押圧装置は、本体と、この本体に取りつけられ少なくとも遠赤外線を発する硬質性の放射部材と、この放射部材の裏面側であって前記本体に設けられた収納部と、この収納部に内部に粒状物、粉状物、流体の内のいずれかを移動可能状態で収納したカバーを有する移動体を介在させ、該移動体を発熱性を有するもので形成したものであるから、発熱性を有する移動体は、体の部位を暖めると共に遠赤外線を発する放射部材をも暖めて、より多くの遠赤外線を放射して体の部位の血行をより高めることができる。

【図面の簡単な説明】

【図１】図１は、本発明の一実施例の押圧装置の概略的斜視図である。

【図２】図２は、図１の押圧装置の概略的要部断面図である。

【図３】図３は、図１の押圧装置の放射部材の取り付け状態を概略的に示す図である。

【図４】図４は、図３記載のものの他の実施例を概略的に示す図である。

【図５】図５は、図４記載のものの他の実施例を概略的に示す図である。

【図６】図６は、図１の押圧装置の弾性部材の概略的斜視図である。

【図７】図７は、図６記載のものから、カバーを除去した弾性部材の概略的斜視図である。

【図８】図８は、図１の押圧装置の使用形態を説明するための説明図である。

【図９】図９は、図１記載の発明とは異なる発明の押圧装置の概略的斜視図である。

【図１０】図１０は、図９の押圧装置の概略的要部断面図である。

【図１１】図１１は、図９の押圧装置の移動体の概略的斜視図である。

【図１２】図１２は、図１１の移動体と異なる移動体の概略的斜視図である。

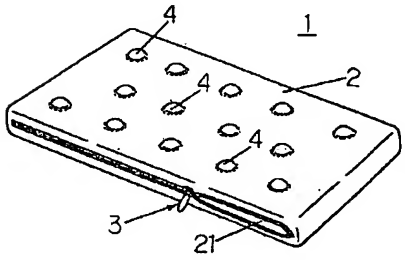
【図１３】図１３は、押圧装置の適用例を概略的に示す斜視図である。

【図１４】図１４は、押圧装置の適用例を概略的に示す斜視図である。

【符号の説明】

１・・・押圧装置
２・・・本体
３・・・開閉手段
４・・・放射部材
５・・・弾性部材
21・・・開口部

【図１】



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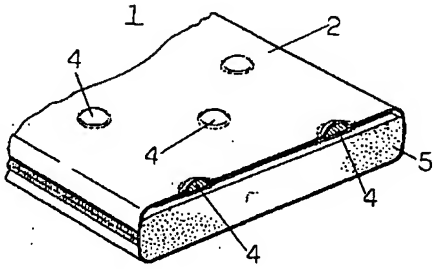
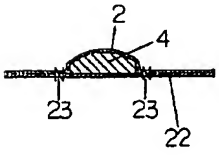
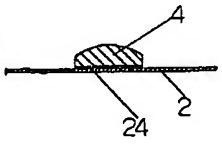


【図３】



【図４】



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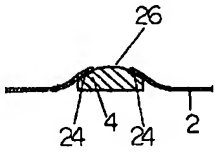
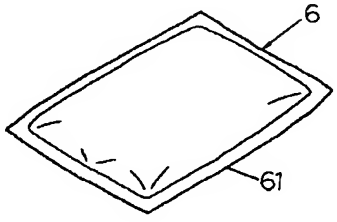


【図１１】



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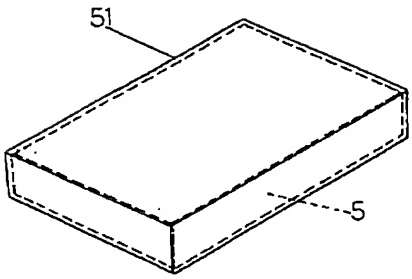

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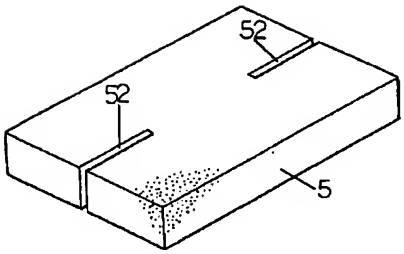

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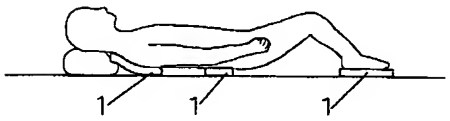

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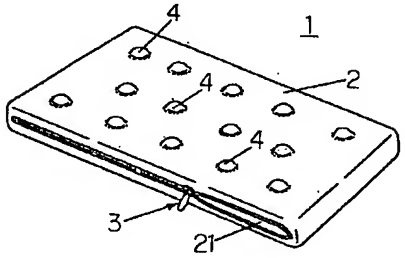

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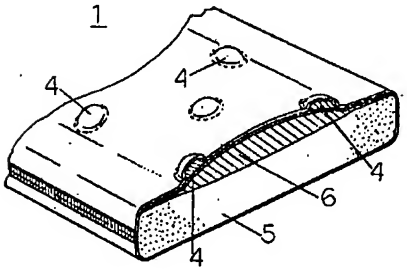

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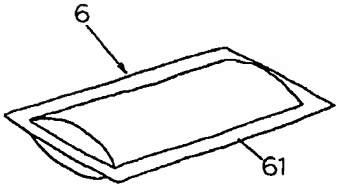

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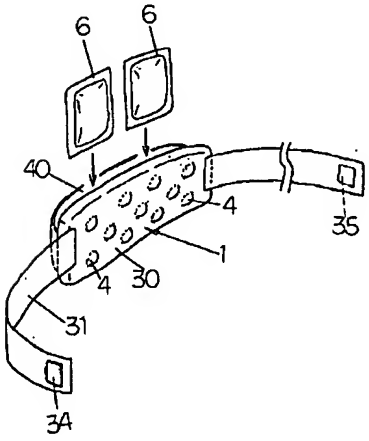
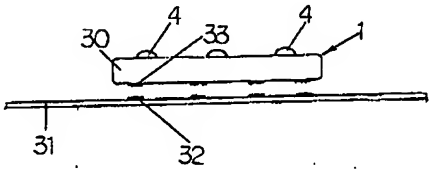


【図14】



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L1: Entry 1 of 1 File: JPAB Sep 12, 1995

PUB-NO: JP407236680A
DOCUMENT-IDENTIFIER: JP 07236680 A
TITLE: PRESSING DEVICE

PUBN-DATE: September 12, 1995

INVENTOR-INFORMATION:

NAME	COUNTRY
SHIGEMORI, YOJIRO	

INT-CL (IPC): A61 H 39/04; A61 N 5/06

ABSTRACT:

PURPOSE: To provide a pressing device which can be used comfortably in contact with the position of a body to be pressed.

CONSTITUTION: A pressing device 1 has a cover 2 formed into a bag with an opening part, an opening and closing means for opening and closing the opening part of the cover 2, a hard emitting member 4 mounted on the cover to emit at least far infrared rays, and an elastic member 5 housed in the cover 2.

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DETAILED DESCRIPTION

[Detailed explanation of a design]
[0001]
[Industrial Application]
In order to perform mechanical positioning in the location of the arbitration of a slider, this design is related with the stopper equipment of the linear guide equipment attached in an advice rail, while it prevents that a slider drops out of the advice rail of linear guide equipment.
[0002]
[Description of the Prior Art]
There are some which insert the stopper which becomes the bolt insertion hole of an advice rail from the construction material of rubber etc. as stopper equipment of conventional linear guide equipment, however what is shown, for example in JP,2-300517,A is proposed from the ability of this stopper not to install in the location of the arbitration of an advice rail. This conventional example is ****ed in the center section of the stopper body, and has prepared the hole in it while it prepares the hook section of the couple caught in the groove surface of the rolling-element rolling slot established in the both-sides side of an advice rail in the ends edge of the stopper body which bent those both ends at the right angle, and formed them inside mostly further, while it bends a steel plate in the shape of a KO character. And the top face of an advice rail is pressed by the head of the screw-thread member thrust into this screw-thread hole, by heightening the engagement force of the hook section and a rolling-element rolling slot by the reaction force of that thrust, an advice rail is made to fix stopper equipment and unprepared migration of a slider is regulated. [0003]
[Problem(s) to be Solved by the Device] However, if it is in the stopper equipment of such conventional linear guide equipment, elastic deformation is carried out so that the center section of the stopper body may be pulled up up by ****ing in the direction of a right angle to the hook section caught in the slot of a rail, and thrusting a member, and the fixed force which sandwiches a rail by the bending moment of the direction which makes the hook section eat into a rolling-element rolling groove surface is made into secured ******.
[0004]
Therefore, there was a trouble that the groove surface and rail top face of a rail important at the head of the screw-thread member which presses the hook section made from a steel plate caught in the rolling-element rolling slot of an advice rail and the top face of an advice rail were damaged.
Moreover, the location which equips an advice rail with stopper equipment and is fixed had to avoid the bolt insertion hole of an advice rail by the relation which presses a rail top face at the head of a screw-thread member, and had the trouble of receiving constraint in a fitting location.
[0005]
Moreover, in order to carry out press forming of the steel plate to two steps, processing manday increased, and since high process tolerance was needed so that a head may moreover be caught in the groove surface of a rail, there was a trouble that a manufacturing cost became high.
Then, it can make to solve the above-mentioned conventional trouble into a technical problem, and an

advice rail can be equipped, without damaging the advice rail of linear guide equipment, and moreover it can fix in a desired location, and shaping is easy and this design aims to let it offer the stopper equipment of the linear guide equipment of low cost.
[0006]
[Means for Solving the Problem]
The stopper equipment of this design which attains the above-mentioned object It has the advice rail which has a rolling-element rolling slot on the shaft orientations in a both-sides side, and the slider which has the rolling-element rolling slot which counters the rolling-element rolling slot of an advice rail while fitting in loosely movable on this advice rail. In the linear guide equipment with which shaft-orientations relative displacement of a slider and an advice rail was enabled through the rolling motion of the rolling element of a large number by which fitting was carried out to said both rolling **** rolling Mizouchi that faces mutually While forming a stopper body in the shape of [over the top face of an advice rail] a cross-section **** KO character The breakthrough which carries out opening to the end side of a stopper body towards the side face of said advice rail is prepared. A head is characterized by screwing a nut on at this breakthrough in the screw-thread edge which the inner surface side of a stopper body to a ring-like spring is made to intervene, inserts it in, and projects the screw thread used as the engagement projected part which engages with the rolling-element rolling slot of one side face of said advice rail at the outside surface side of a stopper body. [0007]
[Function]
If a nut is bound tight, a ring-like spring will be compressed and the head of a screw thread will retreat. A stopper can be inserted in an advice rail from the upper part of an advice rail in this condition, and it can attach so that an advice rail may be inserted by the housing part of both the sides of KO character-like stopper equipment. The head of a screw thread faces the rolling-element rolling slot of one side face of an advice rail, if a nut is turned and some are loosened, it will move forward by the repulsive force of a ring-like spring, and a stop will be escaped [it enters it and] from and carried out to rolling-element rolling Mizouchi. Stopper equipment can be made to slide to advice rail shaft orientations in this condition. When a nut is turned further and loosened, it ****s by the repulsive force of a compression-ring spring, the field of a head is strongly forced to the field of a rolling-element rolling slot, and stopper equipment is firmly fixed to an advice rail. A slider collides with this fixed stopper equipment, has migration of the shaft orientations on an advice rail prevented, and functions as a mechanical stopper which is made to stop a slider certainly in a predetermined location, and prevents overrun at the time of operation of linear guide equipment, or prevents omission from the advice rail edge of a slider again at the time of carriage of linear guide equipment.
[0008]
Since a screw-thread head contacts the rolling-element rolling groove surface of an advice rail by field contact, it does not damage an advice rail. Moreover, the location which fixes stopper equipment to an advice rail is arbitrary, is good, and does not receive constraint of a fitting location. Moreover, since a steel plate can be fabricated with one press, and there is little processing manday, it moreover binds tight with a screw thread and can adjust the force, high process tolerance is not needed but a manufacturing cost is reduced.
[0009]
[Example]
Hereafter, the example of this design is explained with reference to a drawing. The bottom view of stopper equipment and drawing 4 of the whole linear guide equipment perspective view in which drawing 1 thru/or drawing 4 show the 1st example, and drawing 1 attached stopper equipment, the front view of the stopper equipment simple substance which drawing 2 shows an important section in a cross section, and drawing 3 are the decomposition perspective views of stopper equipment.
[0010]
The advice rail 1 of linear guide equipment has the ball rolling slot 3 on the shaft orientations in both-sides side 1c. The slider 2 ****(ed) on the advice rail 1 of this long picture has the rolling-element rolling slot (un-illustrating) which counters the rolling-element rolling slot 3 of the advice rail 1 in the

medial surface, and fitting of the rolling of many rolling elements (a ball or roller) of it is made free to it in both [these] the rolling-elements rolling slot that carried out phase opposite. In case a slider 2 moves the advice rail 1 top to shaft orientations, it circulates through these rolling elements through the circulation path which moved rolling and was established in the slider 2.

[0011]

The advice rail 1 is used with an anchoring bolt through 1d of anchoring boltholes, being fixed to the bases, such as a machine tool, a robot, a measuring machine machine, and a precision positioning table. On the other hand, if a slider 2 is a machine tool, driven objects, such as tool post, will ****, the stop of it will be carried out, and with migration of the slider 2, a driven object carries out straight-line migration along with the advice rail 1, and is used.

[0012]

Stopper equipment 10 is equipped with the metal stopper body 11 and the fixed device 12 attached in the end of this stopper body 11.

The stopper body 11 is what carried out press forming of the steel plate to the shape of a cross-section **** KO character, and the breakthrough 14 penetrated in the direction of board thickness is formed in the housing part 13 of one of these. When it equips with stopper equipment 10, this breakthrough 14 is formed so that opening may be carried out to the location corresponding to the rolling-element rolling slot 3 of an advice rail.

[0013]

The fixed device 12 consists of nuts 18 which it ****s and are screwed in 16 and a ring-like spring 17, for example like a spring washer which it let pass on this screw thread 16 used as the engagement projected part to which a head 15 engages with the rolling-element rolling slot 3 of one side face of the advice rail 1, and a screw thread 16. The nut of a graphic display may be a cylindrical shape, and although it has the shaft insertion hole 19 on the side face, you may be a configuration like a hexagon nut. The mounting beam screw thread 16 is inserted in the breakthrough 14 of an edge for the ring-like spring 17 from the inner surface side of the stopper body 11, and the fixed device 12 is attached in the stopper body 11 by [which projected to the outside surface side of the stopper body 11] ****ing and screwing a nut 18 on the point of 16.

[0014]

Next, an operation is explained.

If a shaft 20 is inserted in the shaft insertion hole 19 of the nut 18 of the fixed device 12 as shown in drawing 5 , a nut 18 is turned and it binds tight to the limit, the ring-like spring 17 is compressed, and the head 15 of a screw thread 16 will retreat and will be forced on the inner surface of the stopper body 11. The stopper equipment 10 of this condition is inserted in the advice rail 1 from the upper part of the advice rail 1, and it attaches so that the advice rail 1 may be inserted between the KO character-like stopper bodies 11.

The head 15 of a screw thread 16 faces the rolling-element rolling slot 3 of one side face of an advice rail. If a nut 18 is turned to an opposite direction and loosened partly shortly, a nut 16 will move forward by the repulsive force of the ring-like spring 17, and it will be entered and engaged in the rolling-element rolling slot 3 of an advice rail. Thereby, even if it pulls above the advice rail 1, it does not escape from stopper equipment 10 any longer.

However, in the state of a lever, since engagement on the head 15 of a screw thread and the advice rail 1 is not so strong, it is possible to make stopper equipment 10 slide to the shaft orientations of the advice rail 1, and to move it freely. If a nut 16 is turned further and loosened after positioning to a position, by the repulsive force of the ring-like spring 17 compressed in addition, a screw thread 16 will move forward and the bow tip side of the head 15 will be strongly forced on the concave surface of the rolling-element rolling slot 3. Stopper equipment 10 is firmly fixed to the advice rail 1 by this suppression force.

[0015]

Since the slider 2 of linear guide equipment collides with this fixed stopper equipment 10 and has free migration of the shaft orientations on the advice rail 1 prevented, it serves as a mechanical stopper which

is made to stop a slider 2 certainly in a predetermined location, and prevents overrun at the time of operation of linear guide equipment. Moreover, at the time of carriage of linear guide equipment, it can fully prevent that a slider 2 drops out of advice rail 1 edge.

[0016]

According to the stopper equipment 10 of this example, since the head 15 of a screw thread contacts the 3rd page of the rolling-element rolling slot of the advice rail 1 by field contact, it does not damage the advice rail 1. Moreover, the location fixed to the advice rail 1 can select stopper equipment 10 to arbitration regardless of the location of the anchoring bolthole of the advice rail 1. Moreover, since a steel plate can be fabricated with one press, and there is little processing manday, it moreover binds tight with the screw thread 16 of the fixed device 12 and can adjust the force, the stopper body 11 does not need high process tolerance, but can reduce a manufacturing cost.

[0017]

Other examples are shown in drawing 6 .

This example forms the engagement projected part 21 which made reverse one end by the side of anchoring of the fixed device 12 of the stopper body 11 project toward the inside as shown in drawing, and it differs from the 1st example of the above in having made it make this engagement projected part 21 engage with the rolling-element rolling slot 3 of the other side faces of the advice rail 1. In addition to the effectiveness of the 1st example, there is an advantage which can stop stopper equipment 10 still more firmly to the advice rail 1.

[0018]

[Effect of the Device]

As explained above, the stopper equipment of the linear guide equipment of this design Form a stopper body in the shape of [over the top face of an advice rail] a cross-section **** KO character, and the breakthrough which carries out opening to the end side towards the side face of an advice rail is prepared. It considered as the configuration which screwed the nut on the screw-thread edge which the inner surface side of a stopper body to a ring-like spring is made to be placed between these breakthroughs, inserts it in at them, and projects the screw thread used as the engagement projected part to which a head engages with the rolling-element rolling slot of one side face of an advice rail in the outside surface side of a stopper body. therefore, the thing made for the rolling-element rolling slot of an advice rail to carry out the pressure welding of the head of a screw thread elastically by field contact -- possible -- the location of the request to rail shaft orientations -- and it can equip without damaging a groove surface and the effectiveness that shaping is easy and it can moreover provide for low cost is acquired.

[Translation done.]

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CLAIMS

[Utility model registration claim]
[Claim 1] It has the advice rail which has a rolling-element rolling slot on the shaft orientations in a both-sides side, and the slider which has the rolling-element rolling slot which counters the rolling-element rolling slot of an advice rail while fitting in loosely movable on this advice rail. In the linear guide equipment with which shaft-orientations relative displacement of a slider and an advice rail was enabled through the rolling motion of the rolling element of a large number by which fitting was carried out to said both rolling **** rolling Mizouchi that faces mutually While forming a stopper body in the shape of [over the top face of said advice rail] a cross-section **** KO character The breakthrough which carries out opening to the end side of this stopper body towards the side face of said advice rail is prepared. From the inner surface side of said stopper body, a head makes a ring-like spring placed between these breakthroughs, and inserts in them the screw thread used as the engagement projected part which engages with the rolling-element rolling slot of one side face of said advice rail. Stopper equipment of the linear guide equipment characterized by screwing a nut on the screw-thread edge which projects in the outside surface side of a stopper body.

[Translation done.]

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]
[Drawing 1] It is the whole linear guide equipment perspective view which attached the stopper equipment of one example of this design.
[Drawing 2] It is the front view showing the important section of the stopper equipment simple substance of drawing 1 in a cross section.
[Drawing 3] It is the bottom view of drawing 2 .
[Drawing 4] It is the decomposition perspective view of drawing 2 .
[Drawing 5] It is a part drawing explaining actuation of the stopper equipment of drawing 2 .
[Drawing 6] It is the front view showing the important section of other examples of the stopper equipment of this design in a cross section.
[Description of Notations]
1 Advice Rail
2 Slider
3 Rolling-Element Rolling Slot (Advice Rail)
10 Stopper Equipment
11 Stopper Body
14 Breakthrough
15 Head
16 Screw Thread
17 Ring-like Spring
18 Nut
21 Engagement Projected Part

[Translation done.]

* NOTICES *

1.This document has been translated by computer. So the translation may not reflect the original precisely.
2.**** shows the word which can not be translated.
3.In the drawings, any words are not translated.

DETAILED DESCRIPTION

[Detailed Description of the Invention]
[0001]
[Industrial Application] This invention relates to press equipment and relates to the press equipment which it presses [equipment] against a bodily part and promotes health especially.
[0002]
[Description of the Prior Art] While embedding at an abdomen the radiation member which emits the MAG recently, the stomach band which has the pocket which contains a handwarmer etc. is produced commercially.
[0003] In this stomach band, when using it, twisting around an abdomen or the lumbar part, it is convenient.
[0004]
[Problem(s) to be Solved by the Invention] However, since there were no cushioning properties even if it uses it for the part of the bodies, such as a crest and a shoulder, pressing against it as it is when using it as what an above-mentioned stomach band is pressed [what] against a bodily part, and promotes health, it did not get used to the body but there was a fault that a contact part was painful and usability was bad.
[0005] Moreover, even if it contains and uses a handwarmer for a pocket, a bodily part is only heated.
[0006] This invention aims at offering the press equipment which canceled said fault.
[0007]
[Means for Solving the Problem] In order to attain the above-mentioned object, the press equipment of this invention is equipped with covering which has opening and was formed in saccate, a closing motion means to open and close opening of this covering, the radiation member of the hard nature which is attached in said covering and emits far infrared rays at least, and the elastic member contained in said covering.
[0008] Moreover, covering which the press equipment of this invention has opening and was formed in saccate, A closing motion means to open and close opening of this covering, and the radiation member of the hard nature which is attached in said covering and emits far infrared rays at least, The mobile which has covering which contained a granular object, a powdered material, or the fluids in the movable condition is made to be placed between the interior between the elastic member contained in said covering, and this elastic member and said radiation member.
[0009] Moreover, covering which the press equipment of this invention has opening and was formed in saccate, A closing motion means to open and close opening of this covering, and the radiation member of the hard nature which is attached in said covering and emits far infrared rays at least, The mobile which has covering which contained a granular object, a powdered material, or the fluids in the movable condition is made to be placed between the interior between the elastic member contained in said covering, and this elastic member and said radiation member, it has febrility and this mobile is formed.
[0010] Moreover, the press equipment of this invention makes the mobile which has covering which contained a granular object, a powdered material, or the fluids in the movable condition inside placed between a body, the radiation member of the hard nature which is attached in this body and emits far

infrared rays at least, the stowage that is the rear-face side of this radiation member, and was established in said body, and this stowage, has febrility and forms this mobile.
[0011]
[Function] In the press equipment constituted as mentioned above, if you make it located in the part side of the body which wants to press the radiation member of the hard nature attached in covering and it pushes, an elastic member deforms, to a bodily part, it will be ******** and the part of this body will be pressed by the radiation member of hard nature. Moreover, opening of covering can be opened and closed with a closing motion means, and an elastic member can be taken.
[0012] Moreover, in addition to deformation of an elastic member, according to liking of a user, the granular object inside a mobile (or a powdered material or a fluid) is moved suitably, and it can get used by the bodily part.
[0013] Moreover, the mobile which has febrility also warms the radiation member which emits far infrared rays while heating a bodily part.
[0014]
[Example] that 1 is press equipment in drawing 1 and drawing 2 , and press equipment 1 is longwise to the part (it is the flesh side of the waist, the elbow of a hand, the sural region, and a guide peg from the back and the back from a shoulder and a shoulder from a crest as shown in drawing 8) of the body to press when one example of this invention is explained with reference to a drawing, or oblong ** -- it places suitably, and it contacts, and it pushes and the circulation of a contact part is raised.
[0015] 2 is covering, and covering 2 has opening 21 and is formed in saccate. Covering 2 is made with cloth with sufficient permeability.
[0016] Opening 21 is opened and closed by the closing motion means 3. It is good with proper means, such as a field-like fastener, a hook (hook clasp of a **), etc. which are FUSUNANA like a graphic display or are not illustrated as a closing motion means 3, for example.
[0017] 4 is the radiation member (as a radiation member 4) of hard nature. For example, the high grade zirconia indicated by JP,61-46426,B, The ceramics and baking white ** (SiO_2, aluminum $2O_3$, Na_2O) powder which consist of raw materials, such as an alumina and a titania, and alumina powder are used as a principal component. it is the radiator the far-infrared generating radiation ceramics and given in JP,4-102464,A which added the powder of a ferrous oxide, oxidation silicon, carbon, a magnesia, and a silica more than a kind at least to this, and mixed, kneaded and cast alumina cement and water further. Although the radiation member which emits far infrared rays or emits the MAG and far infrared rays is sufficient as the radiation member 4 of hard nature, it should just emit far infrared rays at least.
[0018] As shown in drawing 3 , the radiation member 4 of hard nature is sewn by yarn 23 grade with the cloth 22 formed in the rear-face side of covering 2, or as shown in drawing 4 and drawing 5 , it is attached by the adhesives 24 grade.
[0019] That is, it is attached in covering 2 by adhesives 24, and the radiation member 4 of hard nature makes a part of radiation member 4 of hard nature face the clipped opening 26 which was prepared in covering 2 as were shown in drawing 4 , and it laid on covering 2 and was shown in drawing 5 , and is attached in the covering 2 of opening 26 perimeter by adhesives 24.
[0020] Moreover, the elastic member 5 is contained in covering 2 (refer to drawing 2). It is better to cover an elastic member 5 with the coat covering 51 formed with cloth with sufficient permeability more desirably, as shown in drawing 6 although it is not necessary to prepare coat covering in an elastic member 5.
[0021] Moreover, it is better to form more desirably so that a slit 52 is formed, an elastic member 5 deforms, it may be ******** and a bodily part may be suited by the bodily part as shown in drawing 7 although it is not necessary to prepare a slit in an elastic member 5. The thickness of an elastic member 5 is about 20mm.
[0022] Therefore, the part of the body which wants to press press equipment 1 (for example, as shown in drawing 8) From the shoulder from a crest, and a shoulder, if it pushes applying weight from the back and the back in contact with the flesh side of the waist, the elbow of a hand, the sural region, and a guide peg While being able to emit the far infrared rays (or far infrared rays and MAG) which approach the

part of the body which wants for an elastic member 5 to deform [body], to get [body] used to the irregularity of a bodily part, and to press the radiation member 4, and are emitted from the radiation member 4, it can contact comfortably.
[0023] Moreover, the opening 21 of covering 2 can be opened and closed with the closing motion means 3, and an elastic member 5 can be exchanged easily. It is especially convenient that an elastic member 5 is easily exchangeable to use the elastic member which has the cushioning properties suitable for a user, when the elastic function of an elastic member 5 falls by long-term activity.
[0024] In the above-mentioned example, although it is made to get used to the irregularity of a bodily part in an elastic member 5, the example for making it get used more is explained.
[0025] The mobile 6 which has the covering 61 which contained a granular object, a powdered material, or the fluids in the movable condition is made to be placed between the interior between an elastic member 5 and the radiation member 4, as shown in drawing 9 thru/or drawing 12.
[0026] Although proper gestalten, such as a comparatively flat thing as shows the gestalt of covering 61 to drawing 11, and a thing which bulged comparatively as shown in drawing 12, are sufficient, when a mobile 6 is pressed, as for the mobile 6, an internal granular object, a powdered material, or the fluids should just be contained in the movable condition so that a press configuration may be met.
[0027] In addition to deformation of an elastic member 5, according to liking of a user, the granular object in covering of a mobile 6, a powdered material, a fluid, etc. are moved suitably, and it can be made to get used by the bodily part by making this mobile 6 intervene between an elastic member 5 and the radiation member 4.
[0028] Namely, it sets to drawing 9 thru/or the press equipment 1 of 12. The covering 2 which has opening 21 and was formed in saccate, and a closing motion means 3 to open and close the opening 21 of this covering 2, The radiation member 4 of the hard nature which is attached in covering 2 and emits the MAG or far infrared rays at least, Between the elastic member 5 contained in covering 2, and this elastic member 5 and the radiation member 4, inside A granular object, Since the mobile 6 which has the covering 61 which contained either a powdered material or the fluids in the movable condition was made to intervene, if you make it located in the part side of the body which wants to press the radiation member 4 of the hard nature attached in covering 2 and it pushes While being able to emit the far infrared rays (or far infrared rays and MAG) which approach the part of the body which wants for an elastic member 5 to deform [body], to get [body] used to the irregularity of a bodily part, and to press the radiation member 4, and are emitted from the radiation member 4, it can contact comfortably and the circulation of the part of this object can be raised.
[0029] Moreover, the opening 21 of covering 2 can be opened and closed with the closing motion means 3, and an elastic member 5 can be exchanged easily. It is convenient that an elastic member 5 is easily exchangeable to use the elastic member suitable for a user, especially when the elastic function of an elastic member falls by long-term activity.
[0030] Furthermore, as the granular member of a granule is suitably moved according to liking of a user in addition to deformation of an elastic member 5 and it can be made to be able to get used by the bodily part, it can contact comfortably, and the circulation of the part of this body can be raised more.
[0031] In the above-mentioned example, although the granular object in a mobile 6, a powdered material, and a fluid do not have febrility, they are easy to be formed by what has the heat insulation effect of the thing (the disposable handwarmer by 3 treasure chemistry incorporated company, disposable handwarmer by FUMAKILLA, LTD., etc.) which has febrility for this mobile 6, for example, the disposable handwarmers marketed, a molten bath, etc.
[0032] If you make it located in the part side of the body which wants to press this press equipment 1 and it pushes, the mobile 6 which has febrility can also warm the radiation member 4 which emits far infrared rays while heating a bodily part, it can emit more far infrared rays, and can raise the circulation of a bodily part more.
[0033] The press equipment 1 in the above-mentioned example can be used also as a stomach band, although it was used in the condition of having lain on the back as shown in drawing 8 R> 8 (refer to drawing 13 and drawing 14).

[0034] The radiation (or although it does not illustrate as [shown in drawing 14] and even if it attaches free [attachment and detachment] with field-like fasteners 32 and 33 or, body 30 and band 31 are unified.) member 4 is made for press equipment 1 to be located in a body 30 through a band 31 at a venter, as shown in drawing 13. In addition, a band 31 is bound tight with the field-like fasteners 34 and 35, and holds a condition.
[0035] A different point from press equipment 1 given in drawing 1 in that case From the side near a venter, inside to the stowage 40 and stowage 40 which are the radiation member [of the hard nature which is not necessarily required for an elastic member 5, is attached in a body 30, and emits far infrared rays at least] 4, and rear-face side of this radiation member 4, and were established in the body 30 A granular object, a powdered material, The mobile 6 which has covering which contained either of the fluids in the movable condition is located. In case an elastic member 5 is used, thickness uses a comparatively thin (for example, about 1-5mm) elastic member, and, in this case, a mobile 6 is located between this elastic member and the radiation member 4.
[0036] That is, press equipment 1 puts the mobile 6 which has covering which contained a granular object, a powdered material, or the fluids in the movable condition inside into a body 30, the radiation member 4 of the hard nature which is attached in this body 30 and emits far infrared rays at least, the stowage 40 that is the rear-face side of this radiation member 4, and was established in the body 30, and this stowage 40, has febrility and forms this mobile 6.
[0037] as shown in drawing 3 , the radiation member 4 is sewn by yarn 23 grade with the cloth 22 formed in the rear-face side of covering 2 (body 30), or is shown in drawing 4 and drawing 5 -- as -- adhesives 24 -- or it embeds in one in a body 30 -- having -- etc. -- it is attached.
[0038] Therefore, if an abdomen is bound tight to extent which is located in the part side of the abdomen which wants to press press equipment 1, and is convenient using a band 31, the mobile 6 which has febrility can also warm the radiation member 4 which emits far infrared rays while heating an abdominal part through the radiation member 4, it can emit more far infrared rays, and can raise the circulation of an abdominal part more.
[0039]
[Effect of the Invention] Covering which the press equipment of this invention has opening and was formed in saccate, and a closing motion means to open and close opening of this covering, The radiation member of the hard nature which is attached in said covering and emits far infrared rays at least, Since it has the elastic member contained in said covering, if you make it located in the part side of the body which wants to press the radiation member of the hard nature attached in covering and it pushes While being able to emit the far infrared rays which approach the part of the body which wants for an elastic member to deform [body], to get [body] used to the irregularity of a bodily part, and to press a radiation member, and are emitted from a radiation member, it can contact comfortably and the circulation of the part of this object can be raised.
[0040] Moreover, opening of covering can be opened and closed with a closing motion means, and elastic members can be exchanged easily. It is convenient that an elastic member is easily exchangeable to use the elastic member suitable for a user, especially when the elastic function of an elastic member falls by long-term activity. Moreover, covering which the press equipment of this invention has opening and was formed in saccate, A closing motion means to open and close opening of this covering, and the radiation member of the hard nature which is attached in said covering and emits far infrared rays at least, Between the elastic member contained in said covering, and this elastic member and said radiation member, inside A granular object, Since the mobile which has covering which contained either a powdered material or the fluids in the movable condition was made to intervene, if you make it located in the part side of the body which wants to press the radiation member of the hard nature attached in covering and it pushes While being able to emit the far infrared rays which approach the part of the body which wants for an elastic member to deform [body], to get [body] used to the irregularity of a bodily part, and to press a radiation member, and are emitted from a radiation member, it can contact comfortably and the circulation of the part of this object can be raised.
[0041] Moreover, opening of covering can be opened and closed with a closing motion means, and

elastic members can be exchanged easily. It is convenient that an elastic member is easily exchangeable to use the elastic member suitable for a user, especially when the elastic function of an elastic member falls by long-term activity. Furthermore, as the granular member of a granule is suitably moved according to liking of a user in addition to deformation of an elastic member and it can be made to be able to get used by the bodily part, it can contact comfortably, and the circulation of the part of this body can be raised more.

[0042] Moreover, covering which the press equipment of this invention has opening and was formed in saccate, A closing motion means to open and close opening of this covering, and the radiation member of the hard nature which is attached in said covering and emits far infrared rays at least, Between the elastic member contained in said covering, and this elastic member and said radiation member, inside A granular object, The mobile which has covering which contained either a powdered material or the fluids in the movable condition is made to intervene. Since it has febrility and this mobile is formed, in addition to the effectiveness mentioned above, the mobile which has febrility can also warm the radiation member which emits far infrared rays while heating a bodily part, it can emit more far infrared rays, and can raise the circulation of a bodily part more. The radiation member of the hard nature which the press equipment of this invention is attached in a body and this body, and emits far infrared rays at least, To the stowage which is the rear-face side of this radiation member, and was established in said body, and this stowage, inside A granular object, Since the mobile which has covering which contained either a powdered material or the fluids in the movable condition is made to intervene, it has febrility and this mobile is formed, the mobile which has febrility While heating a bodily part, the radiation member which emits far infrared rays can also be warmed, more far infrared rays can be emitted, and the circulation of a bodily part can be raised more.

[Translation done.]

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CLAIMS

[Claim(s)]
[Claim 1] Press equipment characterized by having covering which has opening and was formed in saccate, a closing motion means to open and close opening of this covering, the radiation member of the hard nature which is attached in said covering and emits far infrared rays at least, and the elastic member contained in said covering.
[Claim 2] Covering which has opening and was formed in saccate, and a closing motion means to open and close opening of this covering, The radiation member of the hard nature which is attached in said covering and emits far infrared rays at least, Press equipment characterized by making the mobile which has covering which contained a granular object, a powdered material, or the fluids in the movable condition placed between the interior between the elastic member contained in said covering, and this elastic member and said radiation member.
[Claim 3] Covering which has opening and was formed in saccate, and a closing motion means to open and close opening of this covering, The radiation member of the hard nature which is attached in said covering and emits far infrared rays at least, Press equipment characterized by having made the mobile which has covering which contained a granular object, a powdered material, or the fluids in the movable condition placed between the interior between the elastic member contained in said covering, and this elastic member and said radiation member, having febrility and forming this mobile.
[Claim 4] Press equipment characterized by having made the mobile which has covering which contained a granular object, a powdered material, or the fluids in the movable condition inside placed between a body, the radiation member of the hard nature which is attached in this body and emits far infrared rays at least, the stowage that is the rear-face side of this radiation member, and was established in said body, and this stowage, having febrility and forming this mobile.

[Translation done.]

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]
[Drawing 1] Drawing 1 is the rough perspective view of the press equipment of one example of this invention.
[Drawing 2] Drawing 2 is the rough important section sectional view of the press equipment of drawing 1 .
[Drawing 3] Drawing 3 is drawing showing roughly the installation condition of the radiation member of the press equipment of drawing 1 .
[Drawing 4] Drawing 4 is drawing showing roughly other examples of a thing given in drawing 3 .
[Drawing 5] Drawing 5 is drawing showing roughly other examples of a thing given in drawing 4 .
[Drawing 6] Drawing 6 is the rough perspective view of the elastic member of the press equipment of drawing 1 .
[Drawing 7] Drawing 7 is the rough perspective view of an elastic member which removed covering from the thing given in drawing 6 .
[Drawing 8] Drawing 8 is an explanatory view for explaining the activity gestalt of the press equipment of drawing 1 .
[Drawing 9] Drawing 9 is the rough perspective view of the press equipment of invention with which invention given in drawing 1 differs.
[Drawing 10] Drawing 10 is the rough important section sectional view of the press equipment of drawing 9 .
[Drawing 11] Drawing 11 is the rough perspective view of the mobile of the press equipment of drawing 9 .
[Drawing 12] Drawing 12 is the rough perspective view of the mobile of drawing 11 , and a different mobile.
[Drawing 13] Drawing 13 is the perspective view showing the example of application of press equipment roughly.
[Drawing 14] Drawing 14 is the perspective view showing the example of application of press equipment roughly.
[Description of Notations]
1 ... Press equipment
2 ... Body
3 ... Closing motion means
4 ... Radiation member
5 ... Elastic member
21 ... Opening

[Translation done.]